

**ANTIMICROBIAL FIBER**

**Patent number:** JP5106199  
**Publication date:** 1993-04-27  
**Inventor:** NAKAJIMA KEIHACHIROU; others: 01  
**Applicant:** OJI PAPER CO LTD  
**Classification:**  
**- international:** D21H21/36; B05C3/02; D06M11/79; D06M23/00;  
D21H17/67; D21H27/00  
**- european:**  
**Application number:** JP19910266008 19911015  
**Priority number(s):**

**Abstract of JP5106199**

**PURPOSE:** To obtain a fiber material showing an antimicrobial effect, a deodorizing effect and an adsorbing effect.

**CONSTITUTION:** An inorganic silicon compound is supported in the inside of a fiber and the resultant inorganic silicon compound-containing fiber is immersed in an aqueous solution containing an aluminate. The fiber is subsequently immersed in an aqueous solution containing one or more compounds selected from water-soluble salts of copper, silver and zinc. Thereby, the objective fiber showing an antimicrobial effect, a deodorizing effect and an adsorbing effect can be obtained.

---

Data supplied from the **esp@cenet** database - Worldwide